

Amendments to the Claims:

Please amend the claims as shown below. This Listing of Claims will replace prior versions, and listings, of claims in the application.

Listing of Claims:

1-26. (Canceled)

27. (Currently amended) A recording apparatus for forming an image on a recording medium, using at least a first recording head for discharging a first black ink and a second recording head for discharging a second black ink, the apparatus comprising:

an image processing unit configured to create a first recording data by reading pattern data for recording positional information image representing positions on a recording medium and to create a second recording data by reading recording data for recording an image and synthesize the first recording data and the second recording data; and

a recording control unit configured to ~~record the positional information image and the image concurrently based on the first and second recording data~~ execute recording of the first recording data by the first recording head and recording of the second recording data by the second recording head concurrently, based on the synthesized recording data,

wherein a first black ink detectable by a predetermined detector is used to record the positional information image and cyan ink, magenta ink, yellow ink, and a second black ink, which are undetectable by the predetermined detector, are used to record the image.

28. (Previously Presented) An apparatus according to claim 27, wherein the positional information image represents positions on the recording

medium by combining positions of a plurality of spots recorded on the recording medium.

29. (Currently Amended) An apparatus according to claim 28, wherein the dots are recorded with reference to [[on]] virtual lattice points of the recording medium.

30. (Previously Presented) An apparatus according to claim 27, wherein the first black ink is recorded using a first recording head and the cyan ink, magenta ink, yellow ink, and second black ink are recorded using a second recording head.

31. (Previously Presented) An apparatus according to claim 27, wherein the first black ink is a carbon ink and the cyan ink, magenta ink, yellow ink, and second black ink are carbon free inks.

32. (Currently Amended) A method for forming an image on a recording medium, using at least a first recording head for discharging a first black ink and at least a second recording head for discharging a second black ink,

the method comprising:

creating a first recording data by reading pattern data for recording positional information image representing positions on a recording medium and creating a second recording data by reading recording data for recording an image and synthesizing the first recording data and the second recording data;
and

~~recording the positional information image and the image concurrently based on the first and second recording data~~ executing recording of the first recording data by the first recording head and recording of the second recording data by the second recording head concurrently, based on the synthesized recording data,

wherein a first black ink detectable by a predetermined detector is used to record the positional information image and cyan ink, magenta ink, yellow ink, and a second black ink, which are undetectable by the predetermined detector, are used to record the image.

33. (Previously Presented) A method according to claim 32, wherein the positional information image represents positions on the recording medium by combining positions of a plurality of spots recorded on the recording medium.

34. (Currently Amended) A method according to claim 33, wherein the dots are recorded with reference to [[on]] virtual lattice points of the recording medium.

35. (Previously Presented) A method according to claim 32, wherein the first black ink is recorded using a first recording head and the cyan ink, magenta ink, yellow ink, and second black ink are recorded using a second recording head.

36. (Previously Presented) A method according to claim 32, wherein the first black ink is a carbon ink and the cyan ink, magenta ink, yellow ink, and second black ink are carbon-free inks.

37. (Previously Presented) A computer-readable storage medium storing computer-executable process steps, the computer-executable process steps causing a compute to execute the method of claim 32.